

# HAMPTON ROADS CLEAN CITIES <u>AMERICAN</u> ENERGY FOR TRANSPORTATION











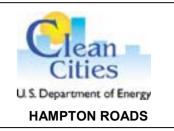








Virginia Hydrogen Economy Roundtable



Education and Outreach, Exposure to Hydrogen and the Hydrogen Economy

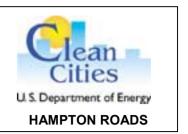
Promotes and Coordinates Demonstrations (NPN Power Park, VT Power Park), Generates Proposals, Seeks Funding

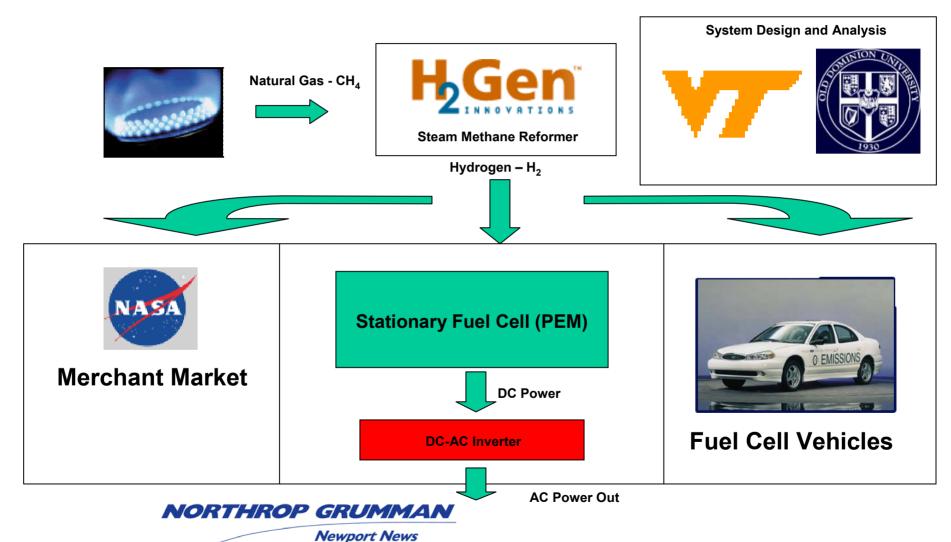




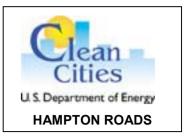
March 7 Virginia Hydrogen Economy Roundtable –
Ford Fuel Cell Demo

H2 Power Park Concept





H2 Power Park – Project Phases



PHASE I: Conceptual Design



9/03 - 3/04

PHASE 2: Installation Design



1/04 - 5/04

PHASE 2.5: Industry Verification of Installation

6/04 - 9/04

**PHASE 3:** Component Procurement and Installation

9/04 - 3/05

PHASE 4: Operation



4/05

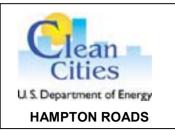
H2 Power Park – Status, 5/03

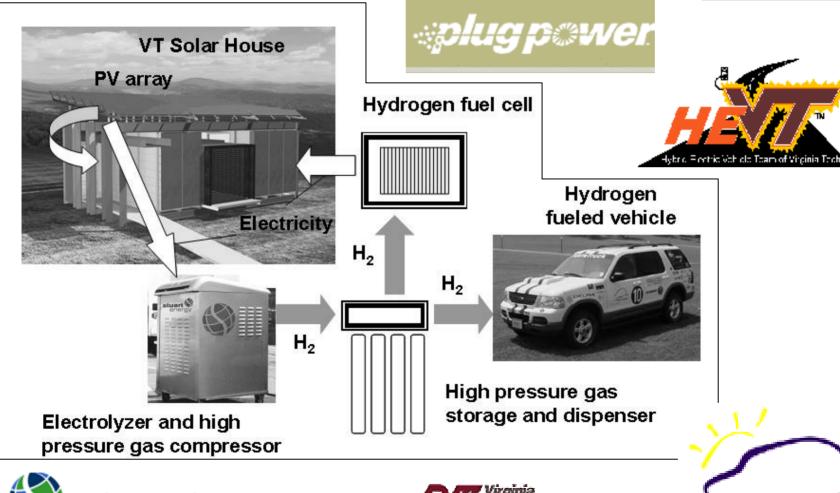


# Challenges:

- 50% Cost Share is very burdensome for "non-development" projects, enticement of future user partners
- Industry not yet committed to direct H2 stationary PEM development

Virginia Tech Mini-Power Park Proposal

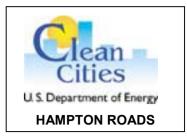








Virginia Tech Power Park – Status, 5/03



Fully Renewable Hydrogen Production Demonstration

### **Education and Outreach Partners**

- Virginia Tech Center for Coal and Energy Research
- Hampton Roads Clean Cities
- Virginia Tech Future Truck Team
- Virginia Tech Solar House Team

Funding application under review, State Energy Program Special Projects